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OM protein - protein search, using sw model

Run on: May 31, 2003, 17:57:32 ; Search time 17.3556 Seconds  
(without alignments)  
828.194 Million cell updates/sec

Title: US-09-772-103-10

Perfect score: 742

Sequence: 1 MAVLVFLCLVAPPSCVLSQ.....MKRGYAMDYWGQGLTVTVSS 142

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 383519 seqs, 10123694 residues

Number of hits satisfying chosen parameters: 383519

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pap.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pap.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pap.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pap.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pap.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pap.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pap.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pap.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pap.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pap.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pap.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pap.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pap.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	545	73.5	140	10	US-09-007-093-4
2	539.5	72.7	139	1	US-08-779-784-37
3	530	71.4	131	9	US-09-797-941A-2
4	527.5	71.1	135	1	US-08-779-784-32
5	525	70.8	119	9	US-10-144-644-62
6	514	69.3	152	10	US-09-990-205-4
7	512.5	69.1	139	10	US-09-881-823-4
8	507	68.3	144	9	US-09-797-941A-8
9	494.5	66.6	250	9	US-10-194-975-110
10	485	65.4	119	9	US-10-144-644-15
11	472	63.6	119	9	US-10-144-644-19
12	468	63.1	333	9	US-10-059-261-61
13	466.5	62.9	120	9	US-10-194-975-112
14	466	62.8	119	9	US-10-125-687-5
15	466	62.8	119	12	US-10-025-687-5
16	463	62.4	249	10	US-09-730-374-3
17	463	62.4	119	9	US-10-232-187-2
18	458.5	61.8	116	9	US-10-194-975-100
19	458.5	61.8	487	10	US-09-800-729-145

20	456	61.5	116	10	US-09-881-823-18
21	453.5	61.1	112	10	US-09-824-286-3
22	446.5	60.2	119	12	US-10-140-555-2
23	438	59.0	251	9	US-09-880-748-990
24	437.5	59.0	252	9	US-09-880-748-1329
25	436.5	58.8	250	9	US-09-880-748-1548
26	434.5	58.6	116	9	US-10-112-788-7
27	434.5	58.6	260	9	US-10-112-788-12
28	433.5	58.4	247	9	US-09-880-748-1651
29	431.5	58.2	114	10	US-09-865-483-8
30	431	58.1	253	9	US-09-880-748-1619
31	430.5	58.0	139	10	US-09-809-739-9
32	430.5	58.0	254	9	US-09-880-748-1659
33	430	58.0	254	9	US-09-880-748-844
34	429	57.8	467	9	US-10-211-357-8
35	429	57.8	467	9	US-10-211-357-10
36	429	57.8	467	9	US-10-211-357-12
37	426	57.4	255	9	US-09-880-748-841
38	425	57.3	476	9	US-10-124-905-12
39	425	57.3	476	9	US-09-948-429B-12
40	424.5	57.2	252	9	US-09-880-748-1994
41	424	57.1	474	9	US-10-270-555-3
42	422	56.9	139	9	US-10-211-357-2
43	422	56.9	139	10	US-09-850-165-17
44	422	56.9	253	9	US-09-880-748-1339
45	419.5	56.5	254	9	US-09-880-748-1578

## ALIGNMENTS

## RESULT 1

US-09-007-093-4  
; Sequence 4, Application US/09007093  
; Patent No. US20020025315A1  
; GENERAL INFORMATION:  
; APPLICANT: Anand, Naveen N  
; APPLICANT: Barber, Brian H  
; APPLICANT: Cates, George A  
; APPLICANT: Caterini, Judith E  
; APPLICANT: Klein, Michel H  
; TITLE OF INVENTION: CHIMERIC ANTIBODIES FOR DELIVERY OF  
; TITLE OF INVENTION: ANTIGENS TO SELECTED CELLS OF THE IMMUNE SYSTEM  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sim & McBurney  
; STREET: Suite 701, 330 University Avenue  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5G 1R7  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/007,093  
; FILING DATE:  
; CLASSIFICATION:  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 08/483,576  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Stewart, Michael I  
; REGISTRATION NUMBER: 24,973  
; REFERENCE/DOCKET NUMBER: 1038-765  
; TELEPHONE: (416) 595-1155  
; TELEFAX: (416) 595-1163  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 140 amino acids

Sequence 18, Appli  
Sequence 3, Appli  
Sequence 2, Appli  
Sequence 990, App  
Sequence 1329, Ap  
Sequence 1548, Ap  
Sequence 7, Appli  
Sequence 12, Appli  
Sequence 1651, Ap  
Sequence 8, Appli  
Sequence 1619, Ap  
Sequence 9, Appli  
Sequence 844, App  
Sequence 1659, Ap  
Sequence 8, Appli  
Sequence 10, Appli  
Sequence 821, App  
Sequence 841, App  
Sequence 12, Appli  
Sequence 12, Appli  
Sequence 1994, Ap  
Sequence 3, Appli  
Sequence 17, Appli  
Sequence 1339, Ap  
Sequence 1578, Ap

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-09-007-093-4

Query Match  
Best Local Similarity 73.5%; Score 545; DB 10; Length 140;  
Matches 109; Conservative 12; Mismatches 18; Indels 4; Gaps 2;

QY 1 MAVLVFLCLVAFPPSC-VLSQVLOESGPGLVKPSQTLTCTVSGFSLTSYGVYVVRQP 59  
DB 1 MALLVFLSLAFPPSCGVLQVQLKESGPGLVAPSGSLITCTVSGFSLTSYGVHVRQP 60  
QY 60 PGKLEWLGVWAGGTTNNYSALMSRLTISKOTSKNOVSLKLSVTAADTAVYICAR 119  
DB 61 PGKLEWLGVWAGGTTNNYSALMSRLTISKOTSKNOVSLKLSVTAADTAVYICAR 120  
QY 120 HAMKRGYAMDYGQGTTLTVSS 142  
DB 121 DYV---HYANDYWGQGTSTVASS 140

ORGANISM: Mus musculus  
US-08-779-784-37

Query Match  
Best Local Similarity 72.7%; Score 539.5; DB 1; Length 139;  
Matches 104; Conservative 17; Mismatches 14; Indels 11; Gaps 2;

QY 1 MAVLVFLCLVAFPPSCVLSQVLOESGPGLVKPSQTLTCTVSGFSLTSYGVYVVRQP 60  
DB 1 MAVUGLLFLCLVTFPFCVLSQVQLRQSGGLVQPSQSLITCTVSGFSLTSYGVHVRQP 60  
QY 61 GKLEWLGVWAGGTTNNYSALMSRLTISKOTSKNOVSLKLSVTAADTAVYICAR 120  
DB 61 GKLEWLGVWAGGTTNNYSALMSRLTISKOTSKNOVSLKLSVTAADTAVYICAR 116  
QY 121 AMKREG---YANDYWGQGTTLTVSS 142  
DB 117 ---NRGRYNYAMDYGQGTSTVSS 139

RESULT 3  
US-09-797-941A-2  
Sequence 2, Application US/09797941A  
Patent No. US20020164788A1  
GENERAL INFORMATION:  
APPLICANT: ELLIS, JONATHAN H.  
LEWIS, ALAN P.  
TITLE OF INVENTION: HUMANISED ANTIBODIES TO CD38  
NUMBER OF SEQUENCES: 41  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 1.44 Mb disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: MS Word  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/797,941A  
FILING DATE: 05-Mar-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/849,410  
FILING DATE: 30-MAY-1997  
APPLICATION NUMBER: PCT/GB95/02777  
FILING DATE: 28-NOV-1995  
APPLICATION NUMBER: GB 9424449.8  
FILING DATE: 02-DEC-1994  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 151 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-797-941A-2

Query Match  
Best Local Similarity 71.4%; Score 530; DB 9; Length 151;  
Matches 99; Conservative 19; Mismatches 20; Indels 4; Gaps 1;

QY 1 MAVLVFLCLVAFPPSCVLSQVLOESGPGLVKPSQTLTCTVSGFSLTSYGVYVVRQP 60  
DB 3 LAVALLFLCLVTFPFCVLSQVQLKQSGPGLVHVSQSLITCTVSGFSLTSYGVHVRQP 62  
QY 61 GKLEWLGVWAGGTTNNYSALMSRLTISKOTSKNOVSLKLSVTAADTAVYICAR 120  
DB 63 GKLEWLGVWAGGTTNNYSALMSRLTISKOTSKNOVSLKLSVTAADTAVYICAR 118

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-09-007-093-4

Query Match  
Best Local Similarity 76.2%; Score 545; DB 10; Length 140;  
Matches 109; Conservative 12; Mismatches 18; Indels 4; Gaps 2;

QY 1 MAVLVFLCLVAFPPSC-VLSQVLOESGPGLVKPSQTLTCTVSGFSLTSYGVYVVRQP 59  
DB 1 MALLVFLSLAFPPSCGVLQVQLKESGPGLVAPSGSLITCTVSGFSLTSYGVHVRQP 60  
QY 60 PGKLEWLGVWAGGTTNNYSALMSRLTISKOTSKNOVSLKLSVTAADTAVYICAR 119  
DB 61 PGKLEWLGVWAGGTTNNYSALMSRLTISKOTSKNOVSLKLSVTAADTAVYICAR 120  
QY 120 HAMKRGYAMDYGQGTTLTVSS 142  
DB 121 DYV---HYANDYWGQGTSTVASS 140

US-08-779-784-37  
Sequence 37, Application US/08779784  
Patent No. US20020164325A1  
GENERAL INFORMATION:  
APPLICANT: Rodriguez, Moses  
APPLICANT: Miller, David J.  
APPLICANT: Asakura, Kunihiko  
TITLE OF INVENTION: PROMOTION OF CENTRAL NERVOUS SYSTEM  
TITLE OF INVENTION: REMELINATION USING MONOCLONAL AUTOANTIBODIES  
NUMBER OF SEQUENCES: 37  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David A. Jackson, Esq.  
STREET: 411 Hackensack Ave, Continental Plaza, 4th  
STREET: Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/779,784  
FILING DATE: 07-JAN-1997  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/692,084  
FILING DATE: 08-AUG-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/236,520  
FILING DATE: 29-APR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq.; David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 1199-1-001 CIPA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1694  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 139 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:

Qy 121 AMMKRGYAMDYWGQGTSLTVSS 142  
Db 119 SMITTFVMDSWGQGTSLTVSS 140

## RESULT 4

US-08-779-784-32  
; Sequence 32, Application US/08779784  
; Patent No. US20020164325A1  
; GENERAL INFORMATION:  
; APPLICANT: Rodriguez, Moses  
; APPLICANT: Miller, David J.  
; APPLICANT: Asakura, Kunihiko  
; TITLE OF INVENTION: PROMOTION OF CENTRAL NERVOUS SYSTEM  
; REMYELINATION USING MONOCLONAL AUTOANTIBODIES  
; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: David A. Jackson, Esq.  
; STREET: 411 Hackensack Ave, Continental Plaza, 4th  
; STREET: Floor  
; CITY: Hackensack  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07601  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/779,784  
; FILING DATE: 07-JAN-1997  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/692,084  
; FILING DATE: 08-AUG-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/236,520  
; FILING DATE: 29-APR-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jackson Esq., David A.  
; REGISTRATION NUMBER: 26,742  
; REFERENCE/DOCKET NUMBER: 1199-1-001 CIPA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-487-5800  
; TELEFAX: 201-343-1684  
; INFORMATION FOR SEQ ID NO: 32:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 135 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; FRAGMENT TYPE: N-terminal  
; ORIGINAL SOURCE: Mus musculus  
; ORGANISM: Mus musculus  
US-08-779-784-32

Query Match 71.1%; Score 527.5; DB 1; Length 135;  
Best Local Similarity 71.1%; Pred. No. 7e-37;  
Matches 101; Conservative 17; Mismatches 17; Indels 7; Gaps 1;  
Qy 1 MAVLVFLCLVAFPCVLSQVQLQESGFLGPKPSQTLSTLCTVSGFSLTSYGVVWRQPP 60  
Db 1 MAVLGFLFLVTFPSCVLSQVQLKQSGFLGPKPSQTLSTLCTVSGFSLTSYGVHWRQSP 60  
Qy 61 GKGLWGLVWAGTNNYNSALMSRLTISKDTSKNQVSLKSLSSVTADTAVYYCARGPPH 120  
Db 61 GKGLWGLVWAGTNNYNSALMSRLTISKDTSKNQVSLKSLSSVTADTAVYYCARGPPH 120  
Qy 121 AMMKRGYAMDYWGQGTSLTVSS 142

Db 117 ---DYSGRGDYWGQGTSLTVSS 135

## RESULT 5

US-10-144-644-62  
; Sequence 62, Application US/10144644  
; Publication No. US20030059429A1  
; GENERAL INFORMATION:  
; APPLICANT: Ames, Robert S.  
; APPLICANT: Appelbaum, Edward R.  
; APPLICANT: Chaiken, Irwin M.  
; APPLICANT: Cook, Richard M.  
; APPLICANT: Gross, Mitchell S.  
; APPLICANT: Holmes, Stephen D.  
; APPLICANT: McMillan, Lynette J.  
; APPLICANT: Theisen, Timothy W.  
; TITLE OF INVENTION: Recombinant IL5 Antagonists Useful in  
; Treatment of IL5 Mediated Disorders  
; NUMBER OF SEQUENCES: 76  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SmithKline Beecham Corp  
; STREET: P.O. Box 1539-UM2220  
; CITY: King of Prussia  
; STATE: Pennsylvania  
; COUNTRY: USA  
; ZIP: 19406-0939  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/144,644  
; FILING DATE: 2002-08-08  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/470110  
; FILING DATE: 06-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/467420  
; FILING DATE: 06-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/363131  
; FILING DATE: 23-DEC-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sutton, Jeffrey A.  
; REGISTRATION NUMBER: 34,028  
; REFERENCE/DOCKET NUMBER: P50282-2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610-270-5024  
; TELEFAX: 610-270-5024  
; INFORMATION FOR SEQ ID NO: 62:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 119 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-10-144-644-62

Query Match 70.8%; Score 525; DB 9; Length 119;  
Best Local Similarity 81.3%; Pred. No. 1e-36;  
Matches 100; Conservative 11; Mismatches 8; Indels 4; Gaps 1;  
Qy 20 QVQLQESGFLGPKPSQTLSTLCTVSGFSLTSYGVVWRQPPGKLEWLGVIWAGTNNYN 79  
Db 1 QVQLQESGFLGPKPSQTLSTLCTVSGFSLTSYGVHWRQPPGKLEWLGVIWAGTNNYN 60  
Qy 80 SALMSRLTISKDTSKNQVSLKSLSSVTADTAVYYCARGPPHAMKRGYAMDYWGQGTSLTV 139  
Db 61 SALMSRLTISKDTSKNQVSLKSLSSVTADTAVYYCARGPPHAMKRGYAMDYWGQGTSLTV 139  
Qy 140 VSS 142

Db 117 VSS 119  
 |||

RESULT 6  
 US-09-990-205-4  
 ; Sequence 4, Application US/09990205  
 ; Patent No. US20020150572A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FOON, Kenneth A.  
 ; APPLICANT: CHATTERJEE, Malaya  
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE TREATMENT OF PSORIASIS  
 ; FILE REFERENCE: 304142000501  
 ; CURRENT APPLICATION NUMBER: US/09/990,205  
 ; CURRENT FILING DATE: 2001-11-20  
 ; PRIOR APPLICATION NUMBER: U.S. 09/192,838  
 ; PRIOR FILING DATE: 1998-11-16  
 ; PRIOR APPLICATION NUMBER: U.S. 60/065,774  
 ; PRIOR FILING DATE: 1997-11-17  
 ; NUMBER OF SEQ ID NOS: 5  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; ID NO 4  
 ; LENGTH: 152  
 ; TYPE: PRT  
 ; ORGANISM: Mus Musculus  
 US-09-990-205-4

Query Match 69.3%; Score 514; DB 10; Length 152;  
 Best Local Similarity 70.4%; Pred. No. 1e-35;  
 Matches 100; Conservative 15; Mismatches 21; Indels 6; Gaps 1;  
 QY 1 MAVLVFLCLVAFPPSCVLSQVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPP 60  
 Db 1 MAVLGLLFCLVTFPPSCVLSQVQLKESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPP 60  
 QY 61 GKGLEWLGVIWAGGTTNYSALMSRLTISKDTSKNQVSLKSSVTAADTAVYVCARGPPH 120  
 Db 61 GKGLEWLGVIWAGGTTNYSALMSRLTISKDTSKNQVSLKSSVTAADTAVYVCARGPPH 120  
 QY 61 GKGLEWLGVIWAGGTTNYSALMSRLTISKDTSKNQVSLKSSVTAADTAVYVCARGPPH 120  
 Db 61 GKGLEWLGVIWAGGTTNYSALMSRLTISKDTSKNQVSLKSSVTAADTAVYVCARGPPH 120  
 QY 121 AMMKRGYAMDYGOGTLVTVSS 142  
 Db 117 --LGNYDALDYWGOGTSTVTVSS 136

RESULT 7  
 US-09-881-823-4  
 ; Sequence 4, Application US/09881823  
 ; Patent No. US20020068066A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SHI, WENYUAN  
 ; APPLICANT: ANDERSON, MAXWELL  
 ; APPLICANT: MORRISON, SHERIE  
 ; APPLICANT: TRINH, RYAN  
 ; APPLICANT: WIMS, LETITIA  
 ; APPLICANT: CHEN, LI  
 ; TITLE OF INVENTION: Method for the Treatment and Prevention of Dental Caries  
 ; FILE REFERENCE: 22851-032  
 ; CURRENT APPLICATION NUMBER: US/09/881,823  
 ; CURRENT FILING DATE: 2001-06-15  
 ; PRIOR APPLICATION NUMBER: US 07/378,577  
 ; PRIOR FILING DATE: 1999-08-20  
 ; NUMBER OF SEQ ID NOS: 32  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 4  
 ; LENGTH: 139  
 ; TYPE: PRT  
 ; ORGANISM: Murine  
 US-09-881-823-4

Query Match 69.1%; Score 512.5; DB 10; Length 139;  
 Best Local Similarity 69.7%; Pred. No. 1.3e-35;  
 Matches 99; Conservative 15; Mismatches 23; Indels 5; Gaps 1;

QY 1 MAVLVFLCLVAFPPSCVLSQVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPP 60  
 Db 1 MAVLGLLFCLVTFPPSCVLSQVQLKESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPP 60

QY 61 GKGLEWLGVIWAGGTTNYSALMSRLTISKDTSKNQVSLKSSVTAADTAVYVCARGPPH 120  
 Db 61 GKGLEWLGVIWAGGTTNYSALMSRLTISKDTSKNQVSLKSSVTAADTAVYVCARGPPH 120

QY 121 AMMKRGYAMDYGOGTLVTVSS 142  
 Db 116 YPCLYFYGMIDYWGOGTSTVTVSS 137

RESULT 8  
 US-09-797-941A-8  
 ; Sequence 8, Application US/09797941A  
 ; Patent No. US20020164788A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ELLIS, JONATHAN H.  
 ; APPLICANT: LEWIS, ALAN P.  
 ; TITLE OF INVENTION: HUMANISED ANTIBODIES TO CD38  
 ; NUMBER OF SEQUENCES: 41  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: NIXON & VANDERHYE P.C.  
 ; STREET: 1100 NORTH GLEBE ROAD  
 ; CITY: ARLINGTON  
 ; STATE: VIRGINIA  
 ; COUNTRY: U.S.A.  
 ; ZIP: 22201-4714  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 1.44 Mb disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: MS Word  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/797,941A  
 ; FILING DATE: 05-Mar-2001  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/849,410  
 ; FILING DATE: 30-MAY-1997  
 ; APPLICATION NUMBER: PCT/GB95/02777  
 ; FILING DATE: 28-NOV-1995  
 ; APPLICATION NUMBER: GB 9424449.8  
 ; FILING DATE: 02-DEC-1994  
 ; INFORMATION FOR SEQ ID NO: 8:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 144 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
 US-09-797-941A-8

Query Match 68.3%; Score 507; DB 9; Length 144;  
 Best Local Similarity 73.5%; Pred. No. 3.8e-35;  
 Matches 97; Conservative 17; Mismatches 14; Indels 4; Gaps 1;

QY 6 LFLCLVAFPPSCVLSQVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPPGKGL 65  
 Db 17 IILFLVATATGVHSQVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGVVWVRQPPGKGL 76

QY 66 WLGVWAGGTTNYSALMSRLTISKDTSKNQVSLKSSVTAADTAVYVCARGPPHAMMKR 125  
 Db 77 WIGVMWGGSTDYNAAFMSRLNITKDNKQVSLRSLSSVTAADTAVYVCARGPPHAMMKR 132

QY 126 GYAMDYWGOGTL 137  
 Db 133 GFVMDSWGQGL 144.

RESULT 9  
 US-10-194-975-110

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; Sequence 110, Application US/10194975
; Publication No. US20030039649A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: Super Humanized Antibodies
; FILE REFERENCE: 501231.01
; CURRENT APPLICATION NUMBER: US/10/194,975
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/305,111
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 110
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: humanized chimeric D1.3 antibody
; US-10-194-975-110

Query Match 66.6%; Score 494.5; DB 9; Length 250;
Best Local Similarity 67.6%; Pred. No. 7.1e-34;
Matches 96; Conservative 18; Mismatches 21; Indels 7; Gaps 1;

QY 1 MAVLVFLCLVAPSPCVLSQVQLQESGPGLVKPSQTLISLTCTVSGFSLTSYGVVYVVRQPP 60
Db 5 IAFLLAMFVFSTNATNAYAQVQLQESGPGLVKPSQTLISLTCTVSGFSLTSYGVVYVVRQPP 64
QY 61 GKGLWLGVTWAGTNNYNSALMSRLTISKDTSKNOVSLKLSVTAADTAVVYCARGPPH 120
Db 65 GKGLWLGVTWAGTNNYNSALMSRLTISKDTSKNOVSLKLSVTAADTAVVYCARGPPH 120
QY 121 AMKRGYAMDYWGQGLTVTVSS 142
Db 121 ---ERDYLWDYWGQGLTVTVSS 139

RESULT 10
US-10-144-644-15
; Sequence 15, Application US/10144644
; Publication No. US20030059429A1
; GENERAL INFORMATION:
; APPLICANT: Ames, Robert S.
; APPLICANT: Appelbaum, Edward R.
; APPLICANT: Chaiken, Irwin M.
; APPLICANT: Cook, Richard M.
; APPLICANT: Gross, Mitchell S.
; APPLICANT: Holmes, Stephen D.
; APPLICANT: McMillan, Lynette J.
; APPLICANT: Theisen, Timothy W.
; TITLE OF INVENTION: Recombinant IL5 Antagonists Useful in
; TITLE OF INVENTION: Treatment of IL5 Mediated Disorders
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corp
; STREET: P.O. Box 1539-UW2220
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/144,644
; FILING DATE: 2002-08-08
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/470110
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:

; Sequence 110, Application US/10194975
; Publication No. US20030039649A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: Super Humanized Antibodies
; FILE REFERENCE: 501231.01
; CURRENT APPLICATION NUMBER: US/10/194,975
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/305,111
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 110
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: humanized chimeric D1.3 antibody
; US-10-194-975-110

Query Match 65.4%; Score 485; DB 9; Length 119;
Best Local Similarity 74.0%; Pred. No. 2.1e-33;
Matches 91; Conservative 16; Mismatches 12; Indels 4; Gaps 1;

QY 20 QVQLQESGPGLVKPSQTLISLTCTVSGFSLTSYGVVYVVRQPPGKLEWLGVTWAGTNNY 79
Db 1 QVQLQESGPGLVKPSQTLISLTCTVSGFSLTSYGVVYVVRQPPGKLEWLGVTWAGTNNY 60
QY 80 SALMSRLTISKDTSKNOVSLKLSVTAADTAVVYCARGPPHAMKRGYAMDYWGQGLTV 139
Db 61 SALMSRLTISKDTSKNOVSLKLSVTAADTAVVYCARGPPHAMKRGYAMDYWGQGLTV 116
QY 140 VSS 142
Db 117 VSS 119

RESULT 11
US-10-144-644-19
; Sequence 19, Application US/10144644
; Publication No. US20030059429A1
; GENERAL INFORMATION:
; APPLICANT: Ames, Robert S.
; APPLICANT: Appelbaum, Edward R.
; APPLICANT: Chaiken, Irwin M.
; APPLICANT: Cook, Richard M.
; APPLICANT: Gross, Mitchell S.
; APPLICANT: Holmes, Stephen D.
; APPLICANT: McMillan, Lynette J.
; APPLICANT: Theisen, Timothy W.
; TITLE OF INVENTION: Recombinant IL5 Antagonists Useful in
; TITLE OF INVENTION: Treatment of IL5 Mediated Disorders
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corp
; STREET: P.O. Box 1539-UW2220
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/144,644
; FILING DATE: 2002-08-08
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/470110
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:
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Query Match 62.8%; Score 466; DB 9; Length 119;  
Best Local Similarity 75.6%; Pred. No. 7.9e-32;  
Matches 93; Conservative 9; Mismatches 17; Indels 4; Gaps 1;  
Qy 20 QVQLQESGPGLVKPSQTLSTICTTSGFSLTSYGVYVWRQPPGKLEWLGVIWAGGTTNYN 79

Db 1 QVQLQESGPGLVKPSSETLSLTCTVSGGSISSYYWSWIRQPPGKGLEWIGIYYSGSTN 60  
QY 80 SALMSRLTISKDTSKNQVSLKLSVTAADTAVYYCARGPPHAMMKRGYAMDYWGQGTILVT 139  
Db 61 PSLKSRVTISVDTSKNQFSLKLSVTAADTAVYYCARGWGGDF----YAMDYWGQGTILVT 116  
QY 140 VSS 142  
Db 117 VSS 119

RESULT 15  
US-10-025-687-5  
; Sequence 5, Application US/10025687  
; Patent No. US20020142255A1  
; GENERAL INFORMATION:  
; APPLICANT: Luo, Peter  
; TITLE OF INVENTION: STRUCTURE-BASED CONSTRUCTION OF HUMAN ANTIBODY LIBRARY  
; PRIORITY REFERENCE: 26050-705  
; CURRENT APPLICATION NUMBER: US/10/025,687  
; CURRENT FILING DATE: 2002-04-17  
; NUMBER OF SEQ ID NOS: 28  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 119  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Human consensus antibody heavy chain variable region  
US-10-025-687-5

Query Match 62.8%; Score 466; DB 12; Length 119;  
Best Local Similarity 75.6%; Pred. No. 7.9e-32;  
Matches 93; Conservative 9; Mismatches 17; Indels 4; Gaps 1;  
QY 20 QVQLQESGPGLVKPSOTLSLTCTVSGFSLTSGYVWVRQPPGKGLEWLVINAGGTTN 79  
Db 1 QVQLQESGPGLVKPSSETLSLTCTVSGGSISSYYWSWIRQPPGKGLEWIGIYYSGSTN 60  
QY 80 SALMSRLTISKDTSKNQVSLKLSVTAADTAVYYCARGPPHAMMKRGYAMDYWGQGTILVT 139  
Db 61 PSLKSRVTISVDTSKNQFSLKLSVTAADTAVYYCARGWGGDF----YAMDYWGQGTILVT 116  
QY 140 VSS 142  
Db 117 VSS 119

Search completed: May 31, 2003, 18:05:43  
Job time: 18.3556 secs

